Reference Table: This table provides information for reviewers (IRDs to RbRs)

IRD_id	req_key	source_interfac	desti_interface	text	ccr	paragraph_id	req_key	seg_allocat	req_type	s_ve_method	s_ver_status	a_ver_method	a_ver_status	req_category	text	ccr
NSI-0010	1048	N/A	N/A	NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ESC facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland b. ECS Operations Center (EOC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland c. System Monitoring and Coordination facility (SMC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland d. ECS at the EDC DAAC, Earth Resources Observation System (EROS) Data Center (EDC), Sioux Falls, South Dakota e. ECS at the JPL DAAC, Jet Propulsion Laboratory (JPL), Pasadena, California f. ECS at the LaRC DAAC, Langley Research Center		NSI-0010#B	6237	CSMS	procedural		un-verified		un-verified		NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ECS facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland b. ECS Operations Center (EOC), Gorddard Space Flight Center (GSFC), Greenbelt, Maryland c. System Monitoring and Coordination facility (SMC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland d. ECS at the EDC DAAC, Earth Resources Observation System (EROS) Data Center (EDC), Sioux Falls, South Dakota e. ECS at the JPL DAAC, Jet Propulsion Laboratory (JPL), Pasadena, California f. ECS at the LaRC DAAC, Langley Research Center (LaRC),	

IRD_id	req_key	source_interfac	desti_interface	text	ccr	paragraph_id	req_key	seg_allocat	req_type	s_ve_method	s_ver_status	a_ver_method	a_ver_status	req_category	text	ccr
				(LaRC), Hampton, Virginia g. ECS at the NSIDC DAAC, University of Colorado, National Snow and Ice Data Center (NSIDC), Boulder, Colorado h. ECS at the ASF DAAC, University of Alaska, Alaska Synthetic Aperture Radar (SAR) Facility (ASF), Fairbanks, Alaska i. ECS at the MSFC DAAC, Marshall Space Flight Center (MSFC), Huntsville, Alabama											Hampton, Virginia g. ECS at the NSIDC DAAC, University of Colorado, National Snow and Ice Data Center (NSIDC), Boulder, Colorado h. ECS at the ASF DAAC, University of Alaska, Alaska Synthetic Aperture Radar (SAR), Fairbanks, Alaska	
						NSI-0010#A	8204	CSMS	procedural	inspection	un-verified	demo	un-verified	mission essential	NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ECS facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland c. System Monitoring and Coordination facility (SMC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland f. ECS at the LaRC DAAC,	96-1214

IRD_id	req_key	source_interfac	desti_interface	text	ccr	paragraph_id	req_key	seg_allocat	req_type	s_ve_method	s_ver_status	a_ver_method	a_ver_status	req_category	text	ccr
															Langley Research Center (LaRC), Hampton, Virginia	
NSI-0020	1049	N/A	N/A	NSI shall provide support for TCP/IP communication ~~protcols~~ protocols and services to ESN.		NSI-0020#B	6238	CSMS	procedural		un-verified		un-verified		NSI shall provide support for TCP/IP communication protocols and services to ESN.	
						NSI-0020#A	6633	N/A_procedural	procedural	not verified by ECS	N/A_procedural	not verified by ECS	N/A_procedural	N/A_procedural	NSI shall provide support for TCP/IP communication protocols and services to ESN.	96-0909A
NSI-0040	1051	NSI	ECS	NSI shall make available to ECS ~~informatin~~ information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.		NSI-0040#B	6240	CSMS	interface		un-verified		un-verified		NSI shall make available to ECS information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.	
						NSI-0040#A	6638	CSMS	interface	demo	un-verified	demo	un-verified	mission essential	NSI shall make available to ECS information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.	96-0909A
NSI-0080	1055	ECS	NSI	ECS shall have the capability of sending and NSI shall have the capability of receiving notification of security breaches		NSI-0080#B	6244	CSMS	interface		un-verified		un-verified		ECS shall have the capability of sending and NSI shall have the capability of receiving notification of security breaches at	

IRD_ id	req_ key	source_ interfac	desti_ interface	text	cc r	paragra ph_id	req _key	seg_ allocat	req_typ e	s_ve_ metho d	s_ver _status	a_ver_ method	a_ver_ status	req_categ ory	text	c c r
				at ECS facilities that could affect NSI and other EOSDIS sites.											~~ESC~~ ECS facilities that could affect NSI and other EOSDIS sites.	
						NSI-0080#A	6646	CSMS	interface | security	demo	un-verified	demo	un-verified	mission essential	ECS shall have the capability of sending and NSI shall have the capability of receiving notification of security breaches at ECS facilities that could affect NSI and other EOSDIS sites.	9 6 - 0 9 0 9 A

Reference Table (continue): This table provides information for reviewers (RbRs to L4s)

RbR_id	RbR_key	text	ccr	L4_id	req_key	rel	req_type	verification_method	verification_status	text	ccr
NSI-0010#B	6237	NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ECS facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland b. ECS Operations Center (EOC), Gorddard Space Flight Center (GSFC), Greenbelt, Maryland c. System Monitoring and Coordination facility (SMC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland d. ECS at the EDC DAAC, Earth Resources Observation System (EROS) Data Center (EDC), Sioux Falls, South Dakota e. ECS at the JPL DAAC, Jet Propulsion Laboratory (JPL), Pasadena, California f. ECS at the LaRC DAAC, Langley Research Center (LaRC), Hampton, Virginia g. ECS at the NSIDC DAAC, University of Colorado, National Snow and Ice Data Center (NSIDC), Boulder, Colorado h. ECS at the ASF DAAC, University of Alaska, Alaska Synthetic Aperture Radar (SAR), Fairbanks, Alaska										
NSI-0010#A	8204	NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ECS facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland c. System Monitoring and Coordination facility (SMC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland f. ECS at the LaRC DAAC, Langley Research Center (LaRC), Hampton, Virginia	96 - 12 14								
NSI-0020#B	6238	NSI shall provide support for TCP/IP communication protocols and services									

		to ESN.							
NSI-0020#A	6633	NSI shall provide support for TCP/IP communication protocols and services to ESN.	96-0909A						
NSI-0040#B	6240	NSI shall make available to ECS information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.		C-MSS-60371	7814	B	functional	test		The MSS Fault Management Application Service at the SMC shall be capable of sending gathered isolation, location, identification and characterization of reported faults data to the level of subsystem and equipment to the following: a. Site Fault Management Applications b. EBnet c. ASTER b. NOAA(SAA) e. Landsat (MMO) f. NSI g. NOLAN.	
				C-MSS-60160	10730	A	operational	test	unverified	The MSS EMC Fault Management Application Service shall have the capability to receive notifications of detected faults and degradation of performance from: a. Site fault management applications b. Other external systems as defined in Section 5.1.	96-0970A
NSI-0040#A	6638	NSI shall make available to ECS information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.	96-0909A	C-MSS-60160	10730	A	operational	test	unverified	The MSS EMC Fault Management Application Service shall have the capability to receive notifications of detected faults and degradation of performance from: a. Site fault management applications b. Other external systems as defined in Section 5.1.	96-0970A
NSI-0080#B	6244	ECS shall have the capability of sending and NSI shall have the capability of receiving notification of security breaches at ESC facilities that could affect NSI and other EOSDIS sites.		C-MSS-70478	7838	B	interface	test		The MSS Security Management Application Service shall have the capability to send to NSI, notification of security breaches at ECS facilities that could affect NSI and other EOSDIS sites.	
				C-MSS-10080	11587	IR1	interface	test	unverified	The MSS shall interface with the NASA Science Internet (NSI) to exchange data identified in Table 4.1-1 as specified in ECS/NSI IRD, 05-41-17.	96-1098
NSI-0080#A	6646	ECS shall have the capability of sending and NSI shall have the capability of receiving notification of security breaches at ECS facilities that could affect NSI and other EOSDIS sites.	96-0909A	C-MSS-10080	11587	IR1	interface	test	unverified	The MSS shall interface with the NASA Science Internet (NSI) to exchange data identified in Table 4.1-1 as specified in ECS/NSI IRD, 05-41-17.	96-1098

Change Table. 1: This table identifies modifications to existing IRD NSI requirements in the 110896 baseline version of the RTM database

IRD_id	req_ key	source_inte rface	destination _interface	text	ccr
NSI-0010	1048	N/A	N/A	NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ESC facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland b. ~~ECS~~ EOS Operations Center (EOC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland c. System Monitoring and Coordination facility (SMC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland d. ECS at the EDC DAAC, Earth Resources Observation System (EROS) Data Center (EDC), Sioux Falls, South Dakota e. ECS at the JPL DAAC, Jet Propulsion Laboratory (JPL), Pasadena, California f. ECS at the LaRC DAAC, Langley Research Center (LaRC), Hampton, Virginia g. ECS at the NSIDC DAAC, University of Colorado, National Snow and Ice Data Center (NSIDC), Boulder, Colorado h. ECS at the ASF DAAC, University of Alaska, Alaska Synthetic Aperture Radar (SAR) Facility (ASF), Fairbanks, Alaska i. ~~ECS at the MSFC DAAC, Marshall Space Flight Center (MSFC), Huntsville, Alabama~~	
NSI-0020	1049	N/A	N/A	NSI shall provide support for TCP/IP communication ~~proteols~~ protocols and services to ~~ESN~~ ECS.	
NSI-0040	1051	NSI	ECS	NSI shall make available to ECS ~~informatin~~ information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.	

Change Table. 2: This table identifies modifications to existing RbR NSI requirements in the 110896 baseline version of the RTM database

RbR_id	req _key	seg_ allocat	req_type	s_ve_ method	s_ver _status	a_ver_ method	a_ver_ status	req_cate gory	text	ccr
NSI-0010#B	6237	CSMS	procedural	demo	un-verified	demo	un-verified	N/A_pro cedural	NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ECS facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland b. ~~ECS~~ EOS Operations Center (EOC), Gorddard Space Flight Center (GSFC), Greenbelt, Maryland c. System Monitoring and Coordination facility (SMC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland d. ECS at the EDC DAAC, Earth Resources Observation System (EROS) Data Center (EDC), Sioux Falls, South Dakota e. ECS at the JPL DAAC, Jet Propulsion Laboratory (JPL), Pasadena, California f. ECS at the LaRC DAAC, Langley Research Center (LaRC), Hampton, Virginia g. ECS at the NSIDC DAAC, University of Colorado, National Snow and Ice Data Center (NSIDC), Boulder, Colorado h. ECS at the ASF DAAC, University of Alaska, Alaska Synthetic Aperture Radar (SAR), Fairbanks, Alaska	
NSI-0020#B	6238	CSMS	procedural	not verified	un-verified	not verified	un-verified	N/A_pro cedural	NSI shall provide support for TCP/IP communication protocols and services to	

RbR_id	req_key	seg_allocat	req_type	s_ve_method	s_ver_status	a_ver_method	a_ver_status	req_category	text	ccr
				by ECS		by ECS			~~ESN~~ ECS.	
NSI-0020#A	6633	N/A_procedural	procedural	not verified by ECS	N/A_procedural	not verified by ECS	N/A_procedural	N/A_procedural	NSI shall provide support for TCP/IP communication protocols and services to ~~ESN~~ ECS.	96-0909A
NSI-0080#B	6244	CSMS	interface	demo	un-verified	demo	un-verified	mission essential	ECS shall have the capability of sending and NSI shall have the capability of receiving notification of security breaches at ~~ESC~~ ECS facilities that could affect NSI and other EOSDIS sites.	

Table. 3: New NSI IRD requirement

IRD_id	req_ key	source_ interface	destination _interface	text
NSI-0032	New	ECS	NSI	ECS shall have the capability of sending and NSI shall have the capability of receiving notification of faults in ECS networks that may affect the quality of NSI services between ECS and its users.

Table. 3: RbR requirements

RbR_id	req _key	seg_ allocat	req_type	s_ve_ method	s_ver _status	a_ver_ method	a_ver_ status	req_cate gory	text
NSI-0032#A	New	CSMS	interface	demo	un-verified	demo	un-verified	mission essential	ECS shall have the capability of sending and NSI shall have the capability of receiving notification of faults in ECS networks that may affect the quality of NSI services between ECS and its users.
NSI-0032#B	New	CSMS	interface	demo	un-verified	demo	un-verified	mission essential	ECS shall have the capability of sending and NSI shall have the capability of receiving notification of faults in ECS networks that may affect the quality of NSI services between ECS and its users.

Table. 4: Linkage to L4s

RbR_Id	L4s
NSI-0032#A	C-MSS-60210
NSI-0032#A	C-MSS-60220
NSI-0032#B	C-MSS-60210
NSI-0032#B	C-MSS-60220

Table 5: RBR Id -to- Ext_Interface_Id

RbR_Id	Ext_Interface_Id
NSI-0032#A	NSI#00001
NSI-0032#B	NSI#00001

Table. 6: Linkage from IRD to RBR

IRD Id	RBR Id
NSI-0032	NSI-0032#A
NSI-0032	NSI-0032#B